



Council Communication

TO: HONORABLE MAYOR AND COUNCILMEMBERS

FROM: EDGAR MEDINA, P.E. ASSISTANT TOWN ENGINEER, (480) 503-6754

THROUGH: MICHAEL GILLESPIE, P.E., TOWN ENGINEER
KYLE MIERAS, AICP, DEVELOPMENT SERVICES DIRECTOR
MARC SKOCYPEC, DEPUTY TOWN MANAGER

MEETING DATE: AUGUST 1, 2013

SUBJECT: APPROVAL OF JOB ORDER CONTRACT (JOC) TASK ORDER NO. 1
WITH CS CONSTRUCTION, INC. FOR NEIGHBORHOOD STREETLIGHT
REHABILITATION PROJECT, CIP NO. ST148.

STRATEGIC INITIATIVE:

Infrastructure

This project supports Gilbert's strategic initiative for Infrastructure as it improves the streetlight system to meets the needs of Gilbert's citizens.

LEGAL REVIEW☒ Complete☐ N/A**FINANCIAL REVIEW**☒ Complete☐ N/A**RECOMMENDED MOTION**

A MOTION TO APPROVE THE JOB ORDER CONTRACT (JOC) - TASK ORDER NO. 1 WITH CS CONSTRUCTION, INC. FOR THE NEIGHBORHOOD STREETLIGHT REHABILITATION PROJECT, CIP NO. ST148, CONTRACT NO. 2013-7003-0180, IN AN AMOUNT NOT TO EXCEED \$993,891.36 AND AUTHORIZE THE MAYOR TO EXECUTE THE REQUIRED DOCUMENTS.

BACKGROUND/DISCUSSION

This project is included in the 2013-18 Capital Improvement Program (CIP) and provides for the removal and replacement of existing direct bury and foundation mounted street light poles with the Town's current street light standard. This CIP project has an initial scope of work to be performed within the Islands Subdivision, Val Vista Lakes and along the Town's arterial & collector streets, but as the staff identify other subdivisions requiring streetlight replacements, this project will be revised to include the additional areas in future budget years. The proposed phases for this project are identified as follows:

- Arterial streets: 233 street light poles along arterials
- Collector streets: 114 street light poles along collectors
- Residential streets: 699 street light poles. (Islands Subdivision)
- Residential streets: 384 street light poles (Val Vista Lakes)

Upon review of the level of scope associated with this type of infrastructure replacement, it was determined that Job Order Contracting (JOC) delivery method will be utilized for this project. The JOC delivery method was selected, as this project will carry over multiple fiscal years and as new areas of replacements are identified, a JOC contract is ideal when scope quantities, areas and timing evolve upon further field investigation. This process will introduce efficiency and flexibility with regard to the procurement of long lead items, phasing, scheduling, traffic control and will ultimately provide higher quality final product.

In May 2013, staff conducted a Request for Qualifications (RFQ) for a Job Order Contractor on this project. Upon review of the RFQ's and the Technical Submittal, CS Construction was the most qualified and competitive bidder for this project.

On August 1st, 2013 council Meeting, the Master Job Order Contract with CS Construction is on the agenda for approval, in which authorizes staff to execute individual Task Order pursuant to the scope of services and unit prices set forth in the master contract.

The scope of this JOC - Task Order No.1 is as follows:

- Arterial streets: install missing 34 median street light poles along Higley Road between Queen Creek and Ocotillo Roads and poles along Queen Creek Road between Eastern Maricopa Floodway and approximately 200 feet east of Higley Road, remove and replace 172 median street light poles and 27 poles located behind curb at various locations throughout the Town.
- Collector streets: remove and replace 68 collector street light poles at various locations in Islands Subdivision.

The Contract was reviewed for form by Susan Goodwin, Special Counsel.

FINANCIAL IMPACT

This project is included in the 2013-18 CIP as Project No. ST148 and is funded through Street Fund. The proposed Task Order No. 1 in the amount of \$993,891.36 is within the total FY14 construction services budget of \$2,161,000.

Summary of Contract Activity

JOC – Task Order No. 1	\$993,891.36	08/01/13 Approval Pending
Project Accounting Codes: st148-7540-8103	\$993,891.36	

The financial impact was reviewed by Cris Parisot, Management and Budget Analyst

STAFF RECOMMENDATION

Staff has reviewed the cost associated with this work and finds that they meet Gilbert's expectations for the services, and recommends approval of the Job Order Contracting – Task Order No. 1 services.

Respectfully submitted,


Edgar Medina, P.E.

Assistant Town Engineer – Capital Projects

edgar.medina@gilbertaz.gov

Attachments and Enclosures: JOC - Task Order No. 1.

Town of Gilbert
JOC - Job Order Task No. 1
JOC Contract
for
Street Light Rehabilitation and Traffic Signals
and
Intelligent Transportation System Components

Date: 8/1/13
Project Numbers: ST148
Contract No: 2013-7003-0180
Traffic Signal Package No.: JOC - Task No. 1
Contractor Name: CS Construction, Inc.
Contractor Address: 22023 North 20th Avenue
Phoenix, Arizona 85027

Location and Scope of Work:

1. Arterial streets:

- 1.1 Install missing 34 median street light poles along Higley Road between Queen Creek and Ocotillo Roads and poles along Queen Creek Road between Eastern Maricopa Floodway and approximately 200 feet east of Higley Road (poles removed as a part ST052).
- 1.2 Remove and replace 172 median street light poles per locations specified in Appendix A and directed by Gilbert.
- 1.3 Remove and replace 27 poles located behind curb at various locations throughout the Town per locations specified in Appendix A and locations specified by Gilbert.

2. Collector streets:

- 2.1 Remove and replace 68 collector street light poles in Islands Subdivision per locations specified in Appendix A and locations specified by Gilbert.

Total Cost for Task Order 1: **\$993,891.36**
Cost estimate attached under "Cost Breakdown".
Completion Date: 90 working days from the day of issuance of NTP.

Payment Submittal Requirements: The Payment submittal will be monthly and will be on the Town of Gilbert form attached to this Job Order. It shall identify the percent of work complete and the percent of payment requested.

Approved By: _____
Gary Denton – CS Construction, Inc.

Approved By: _____
Authorized Town Representative

Approved By: _____
Mayor John Lewis – Town of Gilbert

Special Conditions
For
Street Light Rehabilitation



April 2013

Town of Gilbert

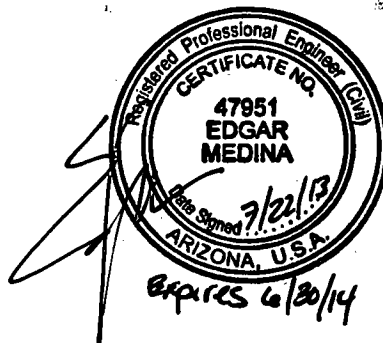


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SECTION 480 - STREET LIGHTS

Add this section to the MAG Standard Specifications:

480.1 DESCRIPTION OF WORK:

The work under this section shall be to furnish and install street lights complete of the type found on arterial, collector and residential streets in accordance with the Town of Gilbert Standard Details and these specifications. Items of work shall also include the removal of existing street lights in some locations and the preparation and painting of existing street lights.

480.2 ANTICIPATED LOCATIONS AND PHASING:

Tentative locations are as follows:

Phase I:

Approximately 34 median arterial street lights located along Higley Road between Queen Creek and Ocotillo Roads and street lights along Queen Creek Road between the Eastern Maricopa Floodway and approximately 200 feet east of Higley Road (street lights were removed as part of Town of Gilbert Project ST052).

Approximately 172 median arterial street lights at various locations per attached Exhibit No. 1.

Approximately 27 behind curb arterial street lights at various locations per attached Exhibit No. 2.

Phase II:

Approximately 114 collector street lights at various locations per attached Exhibit No. 2.

Phase III:

Approximately 386 residential street lights at various locations per attached Exhibit No. 2.

Locations, phases, installation priorities and quantities are for reference and information only. They are subject to change based on final coordination and determination by the Town of Gilbert.

480.3 COMPLETION OF WORK:

The length of time for the completion of work for the various phases shall be as follows:

Phase I shall be completed within 4 months from Notice to Proceed (NTP).

Phase II shall be completed within 3 months from NTP.

Phase III shall be completed within 6 months from NTP.

Each phase will have separate NTP.

480.4 OTHER REQUIREMENTS:**480.4.1 Completion Time and Identification**

Once the existing street light is removed the Contractor shall install new energized street light complete within 4 calendar days.

Contractor shall provide Global Positioning System (GPS) coordinates for every installed street light pole.

480.4.2 Salvage

Contractor shall salvage all removed luminaries and dispose of all poles that are removed.

Contractor shall deliver all salvaged luminaries to the Public Works Facility at 4760 South Greenfield Road, Gilbert, AZ 85297.

480.4.3 Power Connection

Contractor shall provide new wire from j-box to pole for every pole.

J-boxes shall be installed at every location unless there is an existing j-box that can be used.

J-boxes shall be provided by the Contractor.

Poles with no j-box shall be powered down by the Contractor in coordination with the Town of Gilbert and/or the appropriate utility agency.

Powering down poles with j-boxes prior to removal shall be done by the Contractor.

480.4.4 Painting

This specification can be used for all galvanized and previously painted poles.

Initial Coating System Application

Surface Preparation: Scarify existing surface to remove any sheen. This can be accomplished by several different methods such as an acid etching process or heavy grit sand paper. Be careful to check pH levels after any acid etching as this may cause adhesion problems. A test patch can also be applied to verify adhesion on any previously painted poles.

Prime Coat: Tnemec Series N27 (desired color) F.C. Typoxy, 1 coat, 3.0-5.0 mils dry film thickness (DFT).

Finish Coat: Tnemec Series 73-IN03 (dark bronze) Endura-Shield, 1 coat, 2.0-3.0 mils DFT.

Top Coat: Tnemec Series 76-76 (clear, high gloss) Endura-Clear, 1 coat, 1.0-1.5 mils DFT.

Field Touch-Up (after any period of exterior exposure).

Surface Preparation: Scarify existing surface with a heavy grit sand paper to provide proper profile. All surfaces must be clean, dry, sound and free of all oil, grease and other contaminants.

Finish Coat: Tnemec Series 73-IN03 (dark bronze) Endura-Shield, 1 coat, 2.0-3.0 mils DFT.

Top Coat: Tnemec Series 76-76 (clear, high gloss) Endura-Clear, 1 coat, 1.0-1.5 mils DFT.

**APPENDIX A OF SPECIAL CONDITIONS
STREET LIGHT LOCATION EXHIBITS**

APPENDIX A

OF SPECIAL CONDITIONS

ARTERIAL Streetlight Poles

Location	Behind Curb/Medien	Pole Number
1 Ocotillo-Higley to Recker	South	G1259480
2	South	G1259482
3	South	G1259484
4	South	G1259488
5	South	G1259494
6	South	G1259498
7	North	G1259465
8	North	G1259467
9	North	G1259473
10	North	G1259477
11	North	G1259479
12	North	G1259481
13	North	G1259483
14	North	G1259485
15	North	G1259487
16	North	G1259493
17	North	G1259495
18	North	G1259497
19	North	G1259499
20 Val Vista- Riggs to Ch. Heights	Center	G1256861
21	Center	G1256867
22	Center	G1256869
23 Higley- Riggs to Ch. Heights	Center	G1221261
24	Center	G1221563
25	Center	G1221567
26	Center	G1221571
27	Center	G1221577
28	Center	G1221581
29	Center	G1221583
30	Center	G1221585
31	Center	G1213615
32	Center	G1213617
33	Center	G1213619
34	Center	G1213629
35 Riggs- 18th St to Higley	North	G1235188
36 Ch. Heights- Higley to Greenfield	North	G1250892
37	North	G1250891
38	North	G1250889
39	North	G1250888
40	North	G1250887
41 Queen Creek- Higley to Greenfield	Center	G1261825
42	Center	G1261822
43 Power- Queen Creek to Germann	Center	G1201982
44	Center	G1201980

	Power- Queen Creek to Germann (CONTINUED)		
45		Center	G1201978
46		Center	G1201976
47		Center	G1201974
48		Center	G1200888
49		Center	G1200886
50		Center	G1200882
51		Center	G1200880
52		Center	G1200878
53		Center	G1200874
54		Center	G1200872
55		Center	G1200860
56		Center	G1200858
57		Center	G1200856
58		Center	G1200854
59	Pecos- Recker to Power	Center	G1230303
60		Center	G1230307
61		Center	G1230313
62		Center	G1230315
63		Center	G1244371
64		Center	G1244369
65		Center	G1244361
66		Center	G1244353
67		Center	G1244351
68		Center	G1244349
69		Center	G1244347
70		Center	G1244343
71		Center	G1244341
72		Center	G1244339
73		Center	G1244337
74		Center	G1244333
75		Center	G1244331
76		Center	G1244327
77		Center	G1244325
78	Germann- Ranch House to Higley	Center	G227070
79		Center	G211089
80		Center	G211087
81		Center	G211085
82		Center	G211079
83		Center	G211073
84		Center	G1230537
85		Center	G1230527
86		Center	G1183774
87	Germann- Higley to Greenfield	Center	G261366
88		Center	G261350
89		Center	G261348
90		Center	G261346
91		Center	G261344
92	Pecos- Lindsay to Val Vista	South	G1196714
93	San Tan Vill. Pkwy. - Ray to Williams Field	Center	G1227382
94		Center	G1227384
95		Center	G1227392
96		Center	G1227394

	San Tan Vill. Pkwy. - Ray to Williams Field (CONT)		
97		Center	G1227409
98		Center	G1227411
99		Center	G1227414
100		Center	G1227426
101		Center	G1227434
102		Center	G1227437
103		Center	G1227446
104		Center	G1227449
105		Center	G1227451
106		Center	G1227457
107		Center	G1227467
108	San Tan Vill. Pkwy. - Williams Field To Pecos	Center	G1227476
109		Center	G1227478
110		Center	G1227486
111		Center	G1227492
112		Center	G1227559
113		Center	G1227561
114	Market - Pecos to Williams Field	Center	G1227543
115		Center	G1227541
116		Center	G1227539
117		Center	G1227537
118		Center	G1227529
119		Center	G1227525
120		Center	G1227966
121	Ray - Greenfield to Val Vista	Center	G1232179
122		Center	G1218070
123		Center	G1218068
124		Center	G1218064
125		Center	G1218062
126		Center	G1218060
127		Center	
128	Val Vista - Williams Field to Pecos	Center	G1238571
129		Center	G1238575
130	Val Vista - Pecos to Germann	Center	G1260239
131	Ray - Recker to Power	Center	G1196445
132		Center	G1224087
133	Ray - Ray to Warner	East	G1196427
134	Mercy Road- Pecos to Val Vista	Center	G1234100
135		Center	G1234098
136		Center	G1234094
137		Center	G1234092
138		Center	G1234090
139		Center	G1234086
140		Center	G1234082
141		Center	G1234076
142		Center	G1234074
143		Center	G1234068
144		Center	G1235906
145		Center	G1235902

	Mercy Road- Pecos to Val Vista (CONT)		
146		Center	G1235898
147		Center	G1235896
148		Center	G1235894
149		Center	G1235886
150	Higley - Warner to Elliot	East	G1210853
151		East	G1210854
152		East	G1210855
153		Center	G1229582
154		Center	G1229580
155		Center	G1229578
156		Center	G1228572
157		Center	G1228568
158		Center	G1228566
159		Center	G1228564
160	Recker- Elliot to Guad	Center	G1244086
161		Center	G1244081
162		Center	G1244079
163		Center	G1244077
164		Center	G1244073
165		Center	G1244071
166		Center	G1244067
167		Center	G1244065
168	Elliot- Higley to Recker	Center	G225390
169		Center	G1254389
170		Center	G1254391
171		Center	G1254393
172		Center	G1254395
173		Center	G1254397
174		Center	G1254403
175		Center	G1254405
176		Center	G1254407
177		Center	G1254408
178		Center	G1254411
179		Center	G1254417
180		Center	G1254419
181		Center	G1254421
182		Center	G1254425
183		Center	
184		Center	
185	Elliot- Greenfield to Higley	Center	G1229535
186		Center	G1229543
187		Center	G1229545
188		Center	G1229547
189		Center	G1229553
190		Center	G1229555
191		Center	G1229557
192		Center	G1229559

APPENDIX A OF SPECIAL CONDCTIONS

Collector and Residential Streetlight Poles		
	Subdivision	# of Street Lights
1	Martinique III @ the Islands	9
2	Island Patio Homes Amended (A)	19
3	Island Patio Homes Amended (B)	15
4	Tres Vistas at the Islands	5
5	Shores at the Islands Unit 5	2
6	Shores at the Islands Unit 1	2
7	Shores at the Islands Units 2, 3 and 4	8
8	Lake Mirage	6
9	Desert Shores at the Islands	9
10	Bayview	25
11	Harbor Point	15
12	Windhaven	13
13	Catalina Bay at the Islands Unit IV	9
14	Costain at The Islands Replat	16
15	Islands Parcel 30B	2
16	Charter Point at the Islands	5
17	Newport	22
18	Bella Lago	0
19	Seaport Village	6
22	Parcel 31 at The Islands Amended	12
23	Bayview Unit II	27
24	Windhaven Unit III	49
25	Trade Winds at The Islands	18
26	Martinique II at the Islands	12
27	Merit Homes at the Islands	13
28	Catalina Bay at the Islands	14

29	Catalina Bay at the Islands Unit II	8
30	Catalina Bay at the Islands Unit III	11
31	Key Harbor at the Islands	16
32	Windhaven Unit II Amended	18
	COLLECTORS	
33	Islands Drive Loop- Warner South	41
34	South Islands Dr. Loop- Elliot to Warner	66
35	West Mesquite Dr.	7
	Total	500

APPENDIX B OF SPECIAL CONDITIONS
STREET LIGHT POLE DETAILS

SEE TABLE

SEE DETAIL C

1/4" MIN THICK
TAPERED TUBE

SEE TABLE

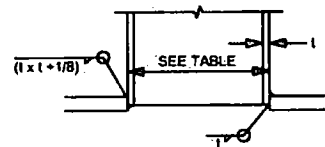
HANDHOLE
SEE DETAIL
GIL-919

SEE BASE PLATE
DETAIL 'A' AND 'B'
THIS DRAWING

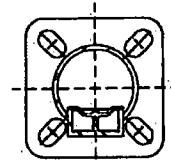
POLE FOUNDATION
SEE DETAIL GIL-932

DATA TABLE

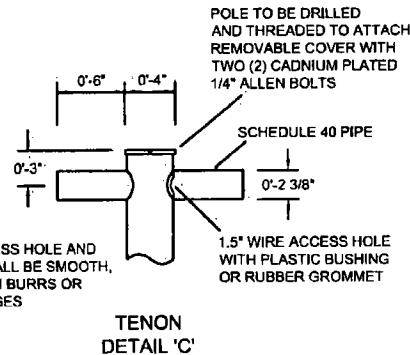
LOCATION	LUMINAIRE MTG. HGT.	POLE HGT.	HANDHOLE HGT.	BASE O.D. PIPE	TOP O.D. PIPE	MAST ARM LENGTH	ARM RISE	GROUNDING DETAIL	FOUNDATION TYPE
RESIDENTIAL & COLLECTOR	32'-0"	32'-0"	1'-0"	0'-8 1/2"	0'-4"	TENON & BOX		GIL-941 GIL-942	GIL-932
MINOR ARTERIAL	40'-0"	32'-0"	1'-0"	0'-8 1/2"	0'-4"	SEE NOTE 9	8'-0"	GIL-941 GIL-942	GIL-932
MAJOR ARTERIAL	40'-0"	40'-0"	1'-6"	0'-9 5/8"	0'-4"	TENON & BOX		GIL-941 GIL-942	GIL-932



BASE PLATE
DETAIL 'A'



BASE PLATE
DETAIL 'B'



NOTES:

- ALL WELDS SHALL BE GRIND SMOOTH, AND ALL BURRS AND SHARP EDGES SHALL BE REMOVED PRIOR TO PAINTING.
- ALL HARDWARE IS TO BE FURNISHED WITH POLE. HARDWARE SHALL BE CORROSION RESISTANT.
- SURFACES TO BE PAINTED SHALL BE CLEANED OF ALL RUST, SCALE, FOREIGN MATTER, OIL AND GREASE.
- PRIMER COAT IS TO BE TNEC SERIES N27 (DARK BRONZE) F.C. TPOXY, OR APPROVED EQUIVALENT, APPLIED TO ENTIRE POLE. MINIMUM DRY COAT THICKNESS TO BE 3-5 MILS.
- FINISH COAT SHALL BE TNEC SERIES 73-IN03 (DARK BRONZE) ENDURA-SHIELD, OR APPROVED EQUIVALENT. MINIMUM DRY COAT THICKNESS TO BE 2-3 MILS.
- INSTALL GROUNDING CONNECTOR, ILSCO TA6-S OR EQUIVALENT WITH 1/4" ROUNDHEAD ALLEN DRIVE MACHINE SCREW AND NUT.
- SEE DETAIL GIL-919 FOR REINFORCED HAND HOLE DETAIL.
- BASE PLATE SHALL BE 1" X 12" X 12" WITH 1-1/4" ELONGATED HOLES ON 12-1/2" B.C.
- SEE DETAIL GIL-921 FOR MINOR ARTERIAL MAST ARM LENGTH.
- ALL SUBMITTALS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER.
- A STAINLESS STEEL TAG SHALL BE PERMANENTLY ATTACHED TO THE POLE ABOVE THE HAND HOLE STATING THE MANUFACTURER'S NAME AND DATE MANUFACTURED

STANDARD
DETAIL

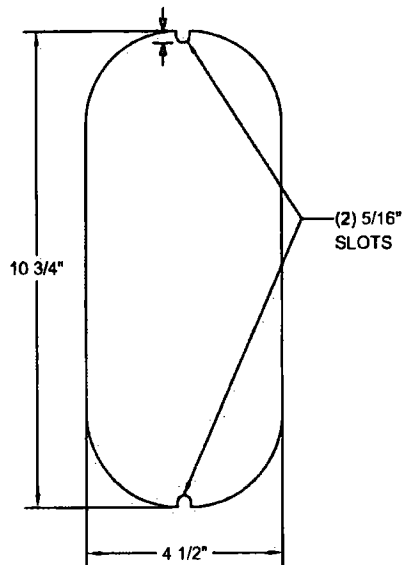
STREET LIGHT STANDARD
ROUND TAPERED POLE

APPROVED

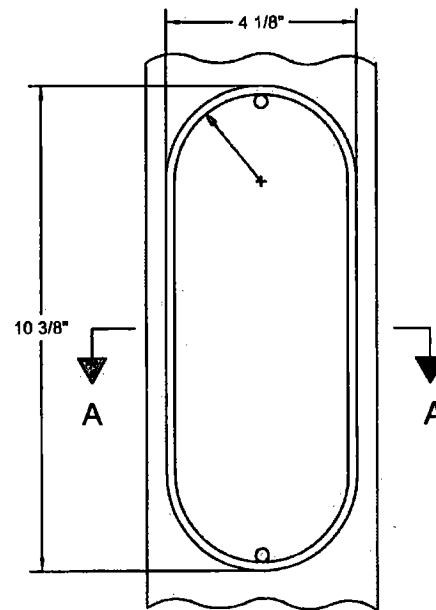
Michael A. Silegan
TOWN ENGINEER

3-18-13
DATE

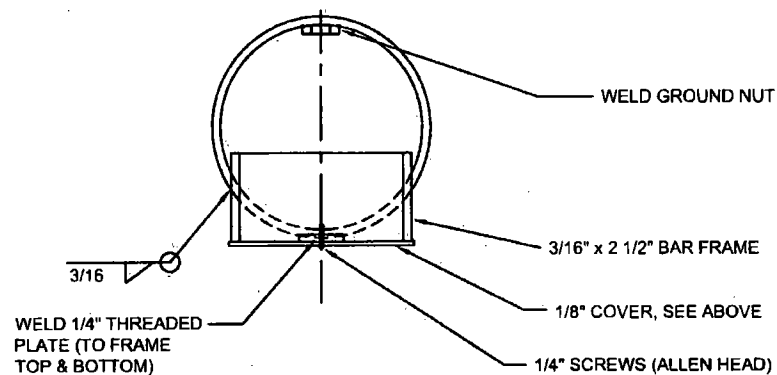
DETAIL No.
GIL-901



HANDHOLE COVER
(TUBE & FRAME NOT SHOWN)



POLE ELEVATION



SECTION A-A

*SEE POLE DETAIL FOR HEIGHT OF HAND HOLE ABOVE FINISHED GRADE.



STANDARD
DETAIL

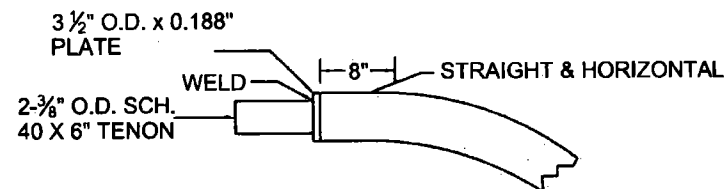
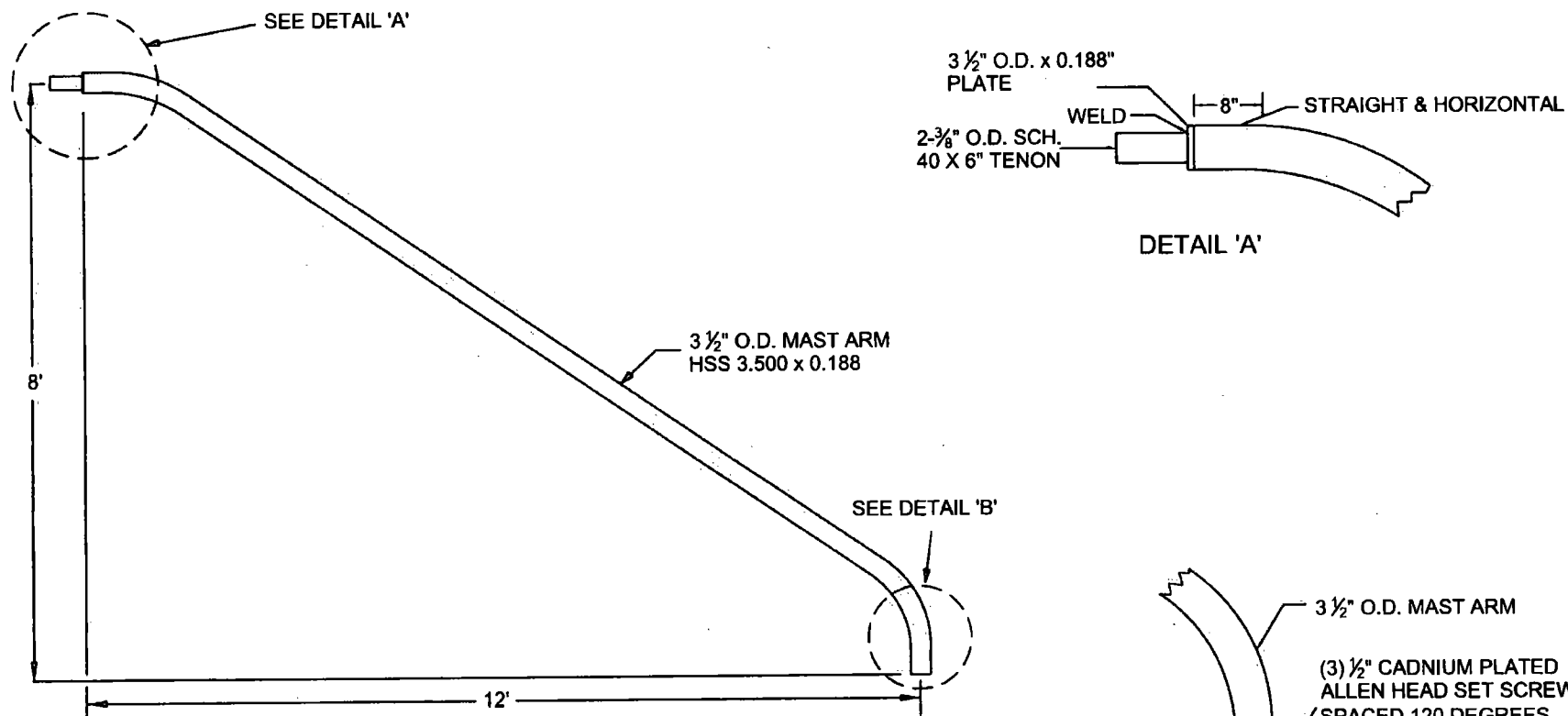
POLE HANDHOLE DETAIL
4 1/8" x 10 3/8" REINFORCED

APPROVED

Michael A. Seligson
TOWN ENGINEER

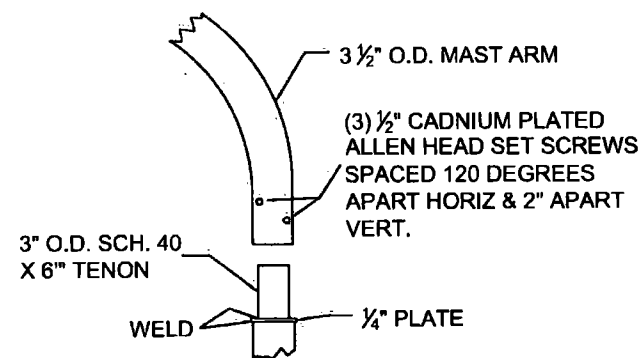
3-18-8
DATE

DETAIL No.
GIL-919



DETAIL 'A'

SEE DETAIL 'B'



DETAIL 'B'

NOTES:

1. ALL WELDS SHALL BE GROUND SMOOTH, AND ALL BURRS AND SHARP EDGES SHALL BE REMOVED PRIOR TO PAINTING.
2. SURFACES TO BE PAINTED SHALL BE CLEANED OF ALL RUST, SCALE, FOREIGN MATERIAL OIL AND GREASE.
3. PRIMER COAT SHALL BE TNEMEC SERIES N27 (DARK BRONZE) F.C. TYPOXY OR APPROVED EQUIVALENT.
4. FINISH COAT SHALL BE TNEMEC 73-IN03 (DARK BRONZE) ENDURA-SHIELD OR APPROVED EQUIVALENT.
5. USE WITH MINOR ARTERIAL ROUND POLE AS APPROVED TO MATCH EXISTING. SEE DETAIL NO. GIL-901

STANDARD
DETAIL

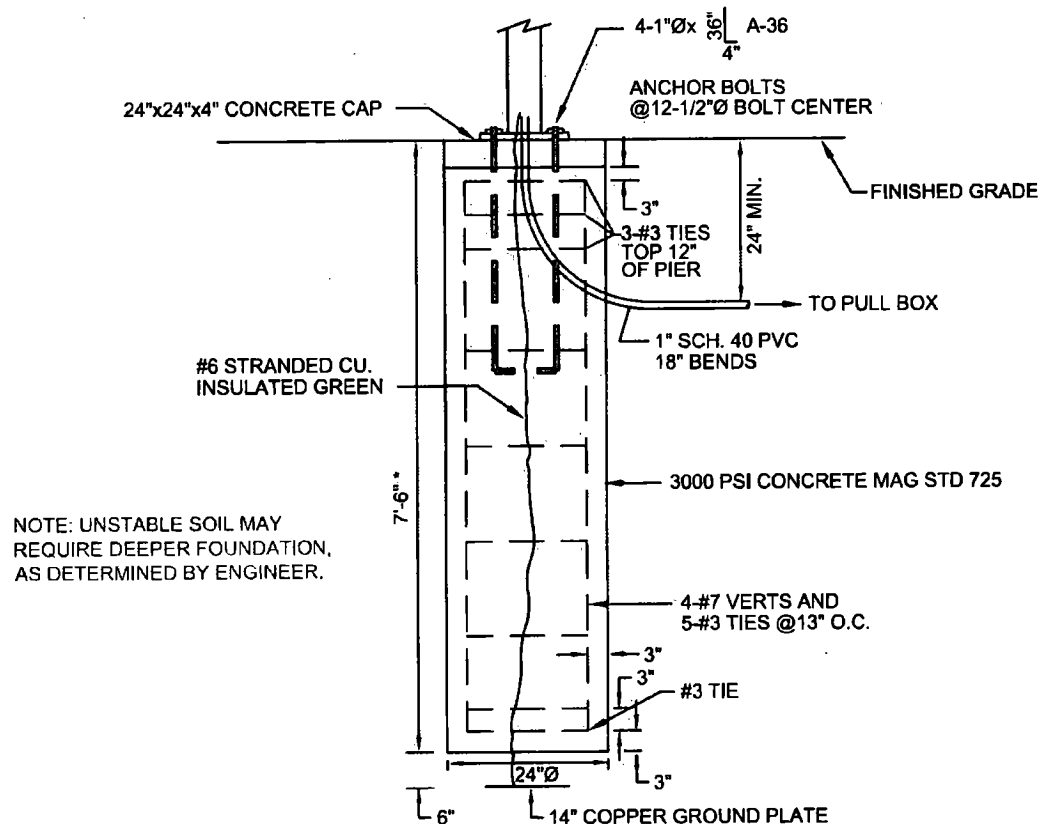
12' x 8' HIGH RISE ARM

APPROVED

Michael A. Sillego
TOWN ENGINEER

3-18-13
DATE

DETAIL NO.
GIL-921



NOTES:

1. REINF A615 GRADE 60 EXCEPT #3 GRADE 40.
2. TOP OF FOUNDATION SHALL BE FINISHED WITH A SMOOTH SURFACE WITH A 1/2" ROUND EDGE.
3. POLE FOUNDATION SHALL CURE FOR 72 HOURS BEFORE INSTALLING LIGHT POLES.
4. ALL FINISHED POLE FOUNDATIONS SHALL BE AT SIDEWALK GRADE OR TOP OF CURB WHEN IN MEDIAN.
5. ANCHOR BOLTS SHALL BE FULLY GALVANIZED PER ASTM A-135.
6. CONCRETE PLACEMENT SHALL FOLLOW MAG SPECIFICATIONS.
7. DO NOT FREEFALL CONCRETE IN EXCESS OF 5'.
8. A VIBRATOR SHALL BE USED TO DISTRIBUTE CONCRETE & REDUCE AIR VOIDS.
9. MAXIMUM SLUMP SHALL NOT EXCEED 5".
10. CAP SHALL BE POURED SEPARATELY WITH MIN 2500 PSI CONCRETE, MAG STD 725.
11. FOR FUSING & GROUNDING SEE DETAILS GIL-941 & GIL-942.
12. *DEPTH OF FOUNDATION SHALL BE VERIFIED BY INSPECTOR PRIOR TO POURING.

STANDARD
DETAIL

CONCRETE FOUNDATION DETAIL

APPROVED

Michael A. Salgado
TOWN ENGINEER

3-18-13
DATE

DETAIL No.
GIL-932